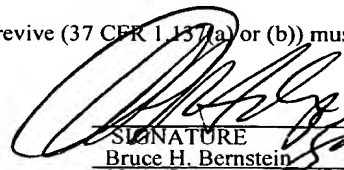


Rec'd PCT/PTO 25 SEP 2003 #2

Form PTO-1390		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY'S DOCKET NUMBER P21250
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371			U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 09/869,312
INTERNATIONAL APPLICATION NO. PCT/JP00/00355	INTERNATIONAL FILING DATE 25 January 2000	PRIORITY DATE CLAIMED 25 January 1999	
TITLE OF INVENTION DESCRIBING AND STORING METHOD OF ALIGNMENT INFORMATION			
APPLICANT(S) FOR DO/EO/US Tetsuro TOYODA and Akiko ITAI			
<p>Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information.</p> <ol style="list-style-type: none"> <input type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. <input checked="" type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. <input type="checkbox"/> This is an express request to promptly begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (22) indicated below. <input type="checkbox"/> The US has been elected by the expiration of 19 months from the priority date (PCT Article 31). <input type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ol style="list-style-type: none"> <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). <input type="checkbox"/> has been communicated by the International Bureau. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)). <ol style="list-style-type: none"> <input type="checkbox"/> is attached hereto. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154 (d) (4). <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ol style="list-style-type: none"> <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). <input type="checkbox"/> have been communicated by the International Bureau. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. <input type="checkbox"/> have not been made and will not be made. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). <p>Items 11 to 16 below concern other document(s) or information included:</p> <ol style="list-style-type: none"> Assignee: _____ <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. <input type="checkbox"/> A FIRST preliminary amendment. <input checked="" type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment. <input type="checkbox"/> A substitute specification. <input type="checkbox"/> A change of power of attorney and/or address letter. <input type="checkbox"/> Figure of Drawing to be published _____ <input checked="" type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821-1.825. (with paper copies of the same) <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154 (d) (4). <input type="checkbox"/> A second copy of the English language translation of the international of the international application under 35 U.S.C. 154 (d) (4). <input checked="" type="checkbox"/> Other items or information: Cover Letter. Response to Paper Dated August 26, 2003 and Statement that the Content of Paper and Computer Readable Copies are the Same. Copy of form PCT/DO/EO/916 (Notification of Defective Response). 			

U.S. APPLICATION NO. (If known, see 37 CFR 1.55) 09/869,312		INTERNATIONAL APPLICATION NO. PCT/JP00/00355		ATTORNEY'S DOCKET NUMBER P21250		
19. <u> </u> The following fees are submitted: Basic National Fee (37 CFR 1.492(a)(1)-(5)): Search report has been prepared by the EPO or JPO. \$ 860.00 International preliminary examination fee paid to USPTO (37 CFR 1.482). \$ 690.00 No international preliminary examination fee paid to USPTO (37 CFR 1.482) but international search fee paid to USPTO(37 CFR 1.445(a)(2)). \$ 710.00 Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO. \$1,000.00 International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(2)-(4). \$ 100.00 ENTER APPROPRIATE BASIC FEE AMOUNT =				CALCULATIONS	PTO USE ONLY	
Surcharge of \$130.00 for furnishing the oath or declaration later than <u> X </u> 20 <u> </u> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$ 0.00		
Claims	Number Filed	Number Extra	RATE			
Total Claims			X \$18.00	\$ 0.00		
Independent Claims			X \$80.00	\$ 0.00		
Multiple dependent claim(s) (if applicable)			+ \$270.00	\$ 0.00		
TOTAL OF ABOVE CALCULATIONS =				\$ 0.00		
<u> </u> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$ 0.00		
SUBTOTAL =				\$ 0.00		
Processing fee of \$130.00 for furnishing the English translation later than <u> </u> 20 <u> </u> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$ 0.00		
Extension of Time fee in the amount of \$				\$ 0.00		
TOTAL NATIONAL FEE =				\$ 0.00		
Fee for recording the enclosed assignment (37 CFR 1.21(h). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$ 0.00		
TOTAL FEES ENCLOSED =				\$ 0.00		
				Amount to be refunded	\$	
				Charged	\$	
a. <u> N/A </u> A check in the amount of \$ <u> </u> to cover the above fees is enclosed. b. <u> </u> Please charge my Deposit Account No. <u> </u> in the amount of \$ <u> </u> to cover the above fees. c. <u> X </u> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>19-0089</u> . NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.437(a) or (b)) must be filed and granted to restore the application to pending status. SEND ALL CORRESPONDENCE TO CUSTOMER NO. 7055 AT THE PRESENT ADDRESS OF: Bruce H. Bernstein GREENBLUM & BERNSTEIN, P.L.C. 1941 Roland Clarke Place Reston, VA 20191 (703) 716-1191						
				SIGNATURE  Bruce H. Bernstein NAME	<u>53,087</u> 29,027 REGISTRATION NUMBER	

Rec'd PCT/JP 25 SEP 2003

P21250.P08

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Tetsuro TOYODA et al.

Serial No : 09/869,312 (National Stage of PCT/JP00/00355)

I.A. Filed : January 25, 2000

For : DESCRIBING AND STORING METHOD OF ALIGNMENT INFORMATION

COVER LETTER

Mail Stop PCT

Commissioner for Patents

P.O. Box 1450

Alexandria, Virginia 22313-1450

Sir:

In response to the Notice of Defective Response (copy attached) of August 26, 2003, the period for response being set to expire September 26, 2003, please find enclosed:

- Transmittal Letter to the United States Designated/Elected Office Concerning a Filing Under 35 U.S.C. 371;
- a Response to Paper Dated August 26, 2003 and Statement that the Content of Paper and Computer Readable Copies are the Same;
- a diskette containing sequence listing;
- paper copies of sequence listing (4 pages).

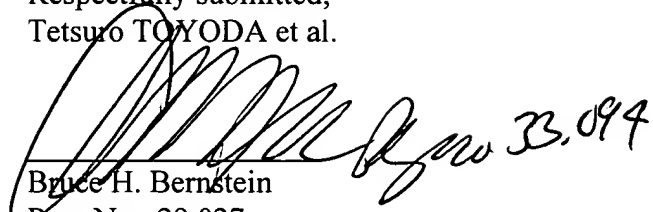
Also enclosed is:

- a Preliminary Amendment.

The U.S. Patent and Trademark Office is hereby authorized to charge any additional fees or credit any overpayment to Deposit Account No. 19-0089.

Should the Examiner have any questions, he is invited to contact the undersigned at the below listed number.

Respectfully submitted,
Tetsuro TOYODA et al.


Bruce H. Bernstein
Reg. No. 29,027

September 25, 2003
GREENBLUM & BERNSTEIN, P.L.C.
1950 Roland Clarke Place
Reston, VA 20191
(703) 716-1191



UNITED STATES PATENT AND TRADEMARK OFFICE

Rec'd PCT/PTO 25 SEP 2003

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER OF PATENTS AND TRADEMARKS
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 www.uspto.gov

U.S. APPLICATION NUMBER NO. 09/869,312	FIRST NAMED APPLICANT Tetsuro Toyoda	ATTY. DOCKET NO. P21250
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7055
 GREENBLUM & BERNSTEIN, P.L.C.
 1950 ROLAND CLARKE PLACE
 RESTON, VA 20191

RECEIVED

AUG 28 2003

GREENBLUM & BERNSTEIN PLC

INTERNATIONAL APPLICATION NO. PCT/JP00/00355	
I.A. FILING DATE 01/25/2000	PRIORITY DATE 01/25/1999

CONFIRMATION NO. 9239

371 FORMALITIES LETTER



CC000000010751199

Date Mailed: 08/26/2003

NOTIFICATION OF DEFECTIVE RESPONSE

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as an Elected Office (37 CFR 1.495):

- Priority Document
- Copy of the International Application filed on 07/23/2001
- Copy of the International Search Report filed on 07/23/2001
- Copy of IPE Report filed on 07/23/2001
- Preliminary Amendments filed on 07/23/2001
- Information Disclosure Statements filed on 11/08/2001
- Oath or Declaration filed on 11/08/2001
- Biochemical Sequence Listing filed on 11/08/2001
- Request for Immediate Examination filed on 07/23/2001
- Copy of references cited in ISR filed on 07/23/2001
- U.S. Basic National Fees filed on 07/23/2001

Applicant's response filed 11/08/2001 is hereby acknowledged. The following requirements set forth in the NOTIFICATION of MISSING REQUIREMENTS mailed 10/02/2001 have not been completed.

Applicant is required to complete the response within a time limit of ONE MONTH from the date of this Notification or within the time remaining in the response set forth in the Notification of Missing Requirements, whichever is the longer. No extension of this time limit may be granted under 37 CFR 1.136, but the period for response set in the Notification of Missing Requirements may be extended under 37 CFR 1.136(a).

The following items **MUST** be furnished within the period set forth below:

- The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 CFR 1.821-1.825 for the following reason(s):
 - A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 CFR 1.821(e) and PCT Rule 13ter.1(a)(ii).
 - A copy of the "Sequence Listing" in computer readable form has been submitted. The content of the computer readable form, however, does not comply with the requirements of Annex C of the

Administrative Instructions and 37 CFR 1.822 and/or 1.832, as indicated on the attached marked-up copy of the "Raw Sequence Listing."

■ APPLICANT MUST PROVIDE:

- An initial or substitute computer readable form (CRF) of the "Sequence Listing."
 - An initial or substitute paper copy or compact disc of the "Sequence Listing," as well as an amendment directing its entry into the specification.
- For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:
 - For Rules Interpretation, call (703) 308-4216
 - To Purchase PatentIn Software, call (703) 306-2600
 - For PatentIn Software Program Help, call (703) 306-4119 or e-mail at patin21help@uspto.gov or patin3help@uspto.gov

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

MAMIE P PERSON

Telephone: (703) 305-3737

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
09/869,312	PCT/JP00/00355	P21250